16.06.080 - 01 Plant Characteristics Tables

The physical and environmental characteristics for a number of landscape plants are given here. Unless otherwise noted, plants on this list are hardy in Central Indiana, tolerant of the built environment, easily maintained, and commercially available. Other suitable plants may be commercially available as new cultivars are developed.

The tables are arranged by plant size (largest to smallest), and they specify the following characteristics:

- Evergreen Plant useful if you want year-round interest or if you need a screen to block a view.
- <u>Average Spread</u> denotes the average diameter of a plant's foliage so that you will have some idea of the mature size of a plant.
- <u>Growth Rate</u> denotes the speed at which a plant will grow given typical growing conditions. (Slow = 12" or less in one year. Moderate = 12"-24" in one year. Fast = more than 24" in one year.)
- <u>Density</u> denotes how easy it is to see through a plant's foliage.
- Form denotes the shape of the plant's foliage and limbs.
- Sunlight Requirement denotes the amount of sunlight required by a plant.
- <u>Soil Moisture Requirement</u> denotes the amount of soil moisture required by a plant. (Wet = 9"-12" of water available in the soil. Moderate = 6"-9" of water available in the soil. Dry = 3"-6" of water available in the soil.)
- <u>Comments</u> lists any special attributes and/or requirements for a plant. It also lists available and proven cultivars.

Plant Characteristics

Scientific Name	,	Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Acer platanoides		30'						Dense canopy makes it difficult
Norway Maple	N	to	Moderate	Dense	Rounded	Partial shade	Moderate	to establish turfgrass or ground
		40'				to full sun		covers underneath. Maples tend
								to produce surface roots.
Acer Rubrum		40'						Good cultivars for Westfield
Red or Swamp	N	to	Moderate	Dense	Oval	Partial shade	Moderate	include "October Glory" and
Maple		50'				to full sun		"Red Sunset"
Acer Saccharum		50'						Dense canopy makes it difficult
Sugar Maple	N	to	Moderate	Dense	Rounded	Partial shade	Moderate	to maintain turfgrass. Intolerant
		60'				to full sun		of deicing salts. Produces
								surface roots.
Catalpa Speciosa		20'						Showy white flower in early
Northern Catalpa	N	to	Moderate	Dense	Rounded	Partial shade	Moderate	summer. Better for large scale
		40'				to full sun		situations because of leaf and
								fruit litter.
Celtis laevigata		50'						Adapts well to adverse
Sugar Hackberry	N	to	Moderate	Moderate	Rounded	Full sun	Moderate to	conditions (hot and cold
		60'					wet	temperatures, dry and alkaline
								soils). Smaller leaves than <i>C</i> .
								occidentalis. Adapted to wet
		701						sites.
Celtis occidentalis		50'	3.5.1	3.5	5	F 11		Adapts well to adverse
Common	N	to	Moderate	Moderate	Rounded	Full sun	Moderate	conditions (hot and cold
Hackberry		60'						temperatures, dry and alkaline
								soils). Leaf galls are common
								but do not damage plant.

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Cercidiphyllum		30'			Oval to		-	Foliage is reddish purple. In
japonicum	N	to	Moderate	Moderate	Columnar	Partial shade	Moderate	fall, the leaves change to
Katsura Tree		50'				to full sun		apricot-yellow.
Chamaecyparis		10'	Slow					Protect from wind.
pisifera	Y	to	То	Very	Pyramidal	Full sun	Moderate	
Sawara False		20'	Moderate	Dense				
Cypress								
Fagus spp.		35'		Dense to				Intolerant of soil disturbance
Beech	N	to	Slow	Moderate	Rounded	Full sun	Moderate	and compaction.
		45'						_
Fraxinus		40'						Dark green foliage that turns
americana	N	to	Fast	Dense	Oval to	Full sun	Moderate	yellowish in autumn with a
White Ash		60'			Rounded			slight purple tint.
Fraxinus		30'						Dark green foliage that turns a
Quadrangulata	N	to	Fast	Dense	Oval to	Full sun	Moderate	clear yellow in autumn.
Blue Ash		40'			Upright			
Fraxinus		30'						Dark green foliage that turns a
pennsylvanica	N	to	Fast	Dense	Oval to	Full sun	Moderate	clear yellow in autumn.
Green Ash		40'			Upright			
Ginkgo biloba		30'			Pyramidal			Beautiful yellow fall color.
Ginkgo or	N	to	Slow	Moderate	То	Full sun	Moderate	Select only male cultivars.
Maidenhair Tree		50'			Rounded			
Gleditsia		30'						Light shade of small leaves
triacanthos	N	to	Fast	Light	Oval	Full sun	Moderate	enables grass to grow beneath.
Honeylocust		40'						
Gymnocladus		40'						Attractive bark. Better for
dioicus	N	to	Moderate	Moderate	Oval	Full sun	Moderate	large scale situations because
Kentucky coffeetree		50'						of fruit litter.

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Larix spp.		25'		-				Needle-like foliage turns
Larch	N	to	Moderate	Moderate	Pyramidal	Full sun	Moderate	yellow and falls off in autumn.
		30'						Susceptible to pests.
Liquidambar		40'						Star-shaped foliage turns
styraciflua	N	to	Moderate	Moderate	Pyramidal	Full sun	Moderate	yellow to red to bronze in
Sweet Gum		50'			to Oval			autumn. Fruit can be a safety
								hazard.
Liriodendron		35'						Yellow, green and orange
tulipifera	N	to	Moderate	Moderate	Oval	Full sun	Moderate	tulip-shaped flowers bloom in
Tulip Tree or		50'	to Fast					mid-spring.
Yellow Poplar								
Nyssa sylvatica		20'						Beautiful and consistent fall
Sour Gum or Black	N	to	Slow to	Dense	Pyramidal	Full sun	Wet to	color: yellow to orange to
Gum		30'	Moderate		to Oval		Moderate	scarlet to purple.
Picea abies		25'						
Norway Spruce	Y	to	Fast	Dense	Pyramidal	Full sun	Moderate	
		30'						
Platanus		60'						Best for large scale or wet
occidentalis	N	to	Fast	Dense	Oval to	Full sun	Moderate	situations. Produces lots of
American planetree		80'			Rounded			leaf litter.
or Sycamore								
Pseudotsuga		12'						
mensiezii	Y	to	Moderate	Very	Pyramidal	Full sun	Moderate	
Douglas Fir		20'		Dense				
Quercus alba		40'		_				
White Oak	N	to	Slow	Dense	Rounded	Full sun	Moderate	
		60'						

Scientific Name	,	Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Quercus imbricaria		40'						
Shingle Oak	N	to	Slow	Dense	Oval to	Full sun	Moderate	
		60'			Rounded			
Quercus		40'						Huge tree at maturity.
macrocarpa	N	to	Slow	Dense	Oval to	Full sun	Moderate	
Bur Oak		60'			Rounded			
Quercus montana		40'						
Chestnut Oak	N	to	Slow	Dense	Oval to	Full sun	Moderate	
		60'			Rounded			
Taxodium		20'						
distichum	N	to	Moderate	Moderate	Pyramidal	Full sun	Moderate to	
Baldcypress		30'					Dry	
Tilia americana		40'						Sometimes infested with
Basswood or	N	to	Moderate	Dense	Oval	Full sun	Moderate	aphids which drop sap on cars.
American Linden		60'						
Tilia tomentosa		30'						
Silver Linden	N	to	Moderate	Dense	Oval to	Full sun	Moderate	
		50'			Rounded			
Zelkova serrata		40'						
Japanese zelkova	N	to	Moderate	Moderate	Vase-	Full sun	Moderate	
		70'			shaped			

Medium Trees (26 to 50 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Abies concolor		15'						Needles are bluish or grayish
White Fir	Y	to	Slow	Very	Pyramidal	Partial shade	Moderate	green. Best in large areas to
		30'		Dense		to Full sun		allow plant development.
Acer campestre		25'						
Hedge Maple	N	to	Slow	Dense	Rounded	Partial shade	Moderate	
		35'				to Full sun		
Aesculus x carnea		30'						Dark green foliage with
Red Horse Chestnut	N	to	Moderate	Dense	Rounded	Full sun	Moderate	pink/red flowers in late spring.
		40'						
Aesculus glabra		20'						Subject to leaf spot diseases
Ohio Buckeye	N	to	Slow to	Dense	Oval to	Full sun	Moderate	with a wet spring.
		30'	Moderate		Rounded			
Aesculus		40'						Dark green foliage with white
hippocastanum	N	to	Moderate	Dense	Rounded	Partial shade	Moderate	flowers in mid spring
Common Horse		70'				to full sun		
Chestnut								

Betula nigra		40'						Reddish brown to pale tan bark
River Birch	N	to	Moderate	Moderate	Oval to	Partial shade	Wet to	that peels off in thin layers;
		60'			Rounded	to full sun	moderate	single stem or clump
Carpinus betulus		20'						Orange to deep red fall foliage.
European hornbeam	N	to	Slow	Dense	Rounded	Partial shade	Moderate	
		30'				to full sun		
Carpinus		20'						Orange to deep red fall foliage.
caroliniana	N	to	Slow	Dense	Rounded	Partial shade	Moderate	
American		30'				to full sun		
hornbeam or								
Ironwood								
Chamaecyparis		10'						Protect from sweeping winds.
lawsoiana	Y	to	Slow to	Very	Pyramidal	Full sun	Moderate	
Lawson False		25'	Moderate	Dense				
Cypress								

Medium Trees (26 to 50 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Chamaecyparis		10'						Protect from sweeping winds.
obtusa	Y	to	Slow	Very	Pyramidal	Full sun	Moderate	
Hinoki False		20'		Dense				
Cypress								
Chionanthus		12'						White, fringe-like flowers in
virginicus	N	to	Slow	Moderate	Spreading	Partial shade	Wet to	spring.
Fringetree		20'				to full sun	moderate	
Cladrasis lutea		40'						White, fragrant flowers in
(kentukea)	N	to	Moderate	Dense	Vase-	Full sun	Moderate	June.
Yellowwood		50'			shaped			

Diospyros		20' to	Slow to					Fruits edible but messy.
virginiana	N	30'	Moderate	Dense	Oval	Full sun	Moderate	
Common								
Persimmon								
Koelreuteria		30'						Yellow flowers in 8-14"
paniculata	N	to	Slow to	Dense	Rounded	Full sun	Moderate	clusters in summer.
Golden Rain Tree		40'	Moderate					
Maackia amurensis		20' to	Slow to					Shiny copper brown bark,
Amur maackia	N	30'	Moderate	Dense	Rounded	Full sun	Moderate	peeling with maturity.
Ostrya virginiana		20'						Medium to dark green foliage
Hop Hornbeam or	N	to	Slow to	Dense	Oval	Partial shade	Moderate	turns yellow in autumn. Bark
Ironwood		35'	Moderate			to Full sun		attractive year round.
Phellodendron		30'			Spreading			Attractive "corky" bark. Open,
amurense	N	to	Moderate	Moderate	to	Full sun	Moderate	picturesque branching habit.
Amur Corktree		45'			Irregular			
Picea omorika		20'						Narrow pyramidal canopy with
Serbian Spruce	Y	to	Slow	Very	Pyramidal	Full sun	Moderate	dark green and light green
		25'		Dense				needles.

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Medium Trees (26 to 50 Feet Tall)

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Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Picea pungens		20' to		Very				Gray-green to blue-green
Colorado Spruce	Y	25'	Slow	Dense	Pyramidal	Full sun	Moderate	foliage.
Pinus sylvestris		30' to						
Scotch Pine	Y	40'	Moderate	Moderate	Pyramidal	Full sun	Moderate	
Pyrus Calleryana		20'						Avoid "Bradford" due to
Callery Pear	N	to	Fast	Dense	Oval	Full sun	Moderate	structural flaws. Consider
		35'						"Aristocrat" or "Cleveland"
Sophora japonica		40'						
Japanese Pagoda or	N	to	Moderate	Moderate	Rounded	Full sun	Moderate	
Chinese Scholar		60'						
Tsuga canadensis		25' to		Very		Partial shade		Protect from sweeping winds.
Canada hemlock	Y	35'	Moderate	Dense	Pyramidal	to full sun	Moderate	
Ulmus parvifolia		40'						Beautiful mottled bark.
Lacebark Elm	N		Moderate	Moderate	Rounded	Full sun	Moderate	

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Acer ginnala		15'						Single stem or clump. Fragrant
Amur Maple	N	to	Slow	Dense	Rounded	Partial shade	Moderate	spring flowers. Scarlet fall
		25'				to Full sun		foliage.
Acer palmatum		15'			Rounded			Protect from full sun and wind.
Japanese Maple	N	to	Slow	Dense	to	Partial shade	Moderate	
		25'			Spreading	to Full sun		
Acer Tataricum		30' to				Partial shade		
Tatarian Maple	N	35'	Slow	Dense	Rounded	to Full sun	Moderate	
Alnus glutinosa		20'			Oval to			
European or Black	N	to	Moderate	Dense	Pyramidal	Full sun	Wet to	
Alder		30'			_		Moderate	
Amelanchier sp.		15'			Rounded	Full sun to		Single stem or clump. Orange
Serviceberry,	N	to	Moderate	Moderate	to	partial shade	Moderate	to red fall foliage.
Juneberry or		30'			Spreading			
Shadblow								
Cercis canadensis		25'	Slow to		Rounded			Pink flowers in April. Good
Eastern Redbud	N	to	Moderate	Moderate	to	Partial shade	Moderate	clear yellow fall foliage.
		35'			Irregular	to Full sun		
Cornus florida		30'	Slow to		Rounded	Partial shade		Beautiful white/pink red
Flowering	N	to	Moderate	Dense	to		Moderate	flowers in spring. Does not
Dogwood		40'			Irregular			tolerate dry, exposed, and
								sunny conditions. Plant in a
								partially shaded and protected
								area, and mulch around trunk.

Scientific Name	,	Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Cotinus coggygria		10'						Red to purple fall foliage.
Smoke Tree	N	to	Slow	Dense	Rounded	Full sun	Moderate	Weak-wooded. Plant where
		15'						protected from wind.
Crataegus crus-		20'			Rounded			Thorns may present a hazard.
galli	N	to	Slow to	Moderate	to	Full sun	Moderate to	
Cockspur Hawthorn		35'	Moderate		Spreading		Dry	
Crategus		20'						Thorns may present a hazard.
phaenopyrum	N	to	Slow	Moderate	Rounded	Full sun	Moderate to	
Washington		25'					Dry	
Hawthorn								
Crataegus viridis		20'						Thorns may present a hazard.
Green Hawthorn	N	to	Slow to	Moderate	Rounded	Full sun	Moderate to	
		35'	Moderate				Dry	
Magnolia x		25'			Irregular			Large, fragrant white flowers
loebneri	N	to	Moderate	Moderate		Full sun	Moderate	in spring.
Loebner Magnolia		35'						
Magnolia x		20'			Irregular			Large, fragrant white to pink
soulangiana	N	to	Moderate	Moderate		Full sun	Moderate	flowers in spring.
Saucer Magnolia		30'						
Magnolia stellata	N	10'	Moderate	Moderate	Irregular	Full sun	Moderate	Large, fragrant white flowers
Star Magnolia		to						in spring.
		15'						

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Malus cultivars		15'						Choose disease-resistant
Crabapple	N	to	Slow to	Dense	Rounded	Full sun	Moderate	varieties.
		25'	Moderate					
Malus sargentii		6'						Very small tree. Height rarely
Sargent Crabapple	N	to	Slow to	Dense	Rounded	Full sun	Moderate	exceeds 8'.
		8'	Moderate					
Prunus x blireiana		15'						Susceptible to Japanese beetles
Purple-leaved Plum	N	to	Slow to	Dense	Rounded	Full sun	Moderate	and other pests.
		20'	Moderate					
Prunus serrulata		15'						Susceptible to Japanese
Japanese Flowering	N	to	Slow to	Dense	Rounded	Full sun	Moderate	beetles, borers, and other
Cherry		20'	Moderate					diseases.
Syringa reticulata		15'			Rounded			Large, lilac-shaped flowers in
Japanese Tree Lilac	N	to	Slow	Dense	to Oval	Full sun	Moderate	July. Cherry-like bark.
		25'						

Large Shrubs (Over 13 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Hamamelis spp.		15'				•	-	Unusual flowers in February or
And cultivars	N	to	Slow to	Dense	Rounded	Partial shade	Moderate	October. Orange to scarlet fall
Witchhazel		20'	Moderate			to full sun		foliage.
Viburnum lantana		10'						White flowers in May. Red
Wayfaring Tree	N	to	Slow to	Dense	Rounded	Full sun	Moderate to	fruits in summer. Little fall
		15'	Moderate		to Oval		Dry	color.
Viburnum		8'						Plant for which the
prunifolium	N	to	Slow to	Dense	Rounded	Partial shade	Moderate	"Hawpatch" area was named.
Black Haw		12'	Moderate		to Oval	to full sun		Single stem or clump form.
Viburnum sieboldii		10'						White flowers in spring. Red
Siebold Viburnum	N	to	Moderate	Dense	Rounded	Partial shade	Moderate	fruits in summer.
		15'			to Oval	to full sun		
Juniperus		8'			Spreading		Moderate to	
communis	Y	to	Slow	Very	to	Full sun	Dry	
Common Juniper		12'		Dense	Columnar			
Juniperus		8'					Moderate to	
scopulorum	Y	to	Slow	Dense	Pyramidal	Full sun	Dry	
Rocky Mountain		15'						
Juniper or Western								
Red Cedar								
Lindera benzoin		6'				Full to partial	Moderate to	Small, extremely fragrant
Spicebush	N	to	Slow to	Moderate	Upright to	shade	Wet	flowers in April. Yellow fall
		12'	Medium		Rounded			foliage.
Taxus cuspidata		15'			Pyramidal	Partial Shade	Moderate	
Japanese Yew	Y	to	Slow	Very	to			
		50'		Dense	Rounded			
Taxus x media		15'			Rounded	Partial Shade	Moderate	
Anglo-Japanese	Y	to	Slow	Very	to			
Yew		30'		Dense	Spreading			

Large Shrubs (Over 13 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Thuja occidentalis		10'						Use "Emerald", "Techny" or
American or	Y	to	Slow	Very	Pyramidal	Full sun	Moderate	"Holmstrup" to limit height
Eastern Arborvitae,		15'		Dense				without trimming
White Cedar								

Medium Shrubs (6½ to 12 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Acanthopanax		8'			Rounded	Full shade to		Greenish-white flowers in June
sieboldianus	N	to	Slow to	Dense	to	full sun	Moderate to	and July. Black berries.
Fiveleaf Aralia		10'	Moderate		Spreading		Dry	
Calycanthus		6'			Rounded	Partial shade		Red-brown, extremely fragrant
Floridus	N	to	Slow to	Dense	to	to full sun	Moderate	flowers throughout summer.
Sweetshrub		12'	Moderate		Spreading			
Cornus alba		5'			Upright to	Partial shade		White flowers May-June.
Tatarian Dogwood	N	to	Fast	Dense	Rounded	to full sun	Moderate	
		10'						
Cornus mas		15'						Small yellow flowers
Cornelian Cherry	N	to	Slow	Dense	Rounded	Full sun	Moderate	February-March. Large red
		20'						berries.
Cornus racemosa		6'	Moderate		Rounded	Partial shade		White flowers May-June.
Grey Dogwood	N	to	to Fast	Dense	to	to full sun	Moderate	Purple fall foliage.
		8'			Spreading			
Cornus sericea		10'			Rounded	Partial shade		White flowers May-June.
Red Osier	N	to	Fast	Dense	to	to full sun	Moderate	Orange to purple fall foliage.
Dogwood		15'			Spreading			Bright red twigs.
Elaeagnus		12'	Moderate				Moderate to	Best for sites where nothing
umbellata	N	to	to Fast	Dense	Spreading	Full sun	Dry	else will grow. Can become
Autumn Olive		18'						invasive.
Euonymus alatus		15'			Rounded	Partial shade		Subject to spider mites when
Burning Bush	N	to	Slow	Dense	to	to full sun	Moderate	plant is adjacent to asphalt.
		20'			Spreading			Compactus" is slow-growing
								cultivar.
Forsythia x		10'		Moderate	Upright to	Partial shade	Moderate	Yellow flowers in spring.
intermedia	N	to	Fast		Spreading	to full sun		
Border Forsythia		12'						

Medium Shrubs (6½ to 12 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Hamamelis vernalis		8'	Moderate	Moderate	Rounded	Partial Shade	Moderate	Yellow-red flowers February.
Vernal Witchhazel	N	to			to	to full sun		Yellow fall foliage.
		12'			Spreading			
Hibiscus syriacus		8' to						Susceptible to Japanese beetles
Rose-of-Sharon	N	15'	Moderate	Moderate	Upright	Full sun	Moderate	and other diseases.
Hydrangea		4'						White flowers June-July.
quercifolia	N	to	Slow to	Moderate	Upright to	Full shade to	Wet to	Orange, red, or purple fall
Oak Leaf		8'	Moderate		Irregular	full sun	Moderate	foliage.
Hydrangea								
Ilex verticillata		6' to	Slow to			Partial shade	Wet to	Very high wildlife value.
Winterberry	N	10'	Moderate	Dense	Rounded	to full sun	Moderate	Numerous species eat the fruit.
Kolkwitzia amabilis		9' to	Moderate		Upright to	Full sun		Pink flowers May-June.
Beautybush	N	12'	to Fast	Dense	Rounded		Moderate	Pinkish brown fruit.
Philadelphus		10'				Partial shade		White, extremely fragrant
coronarius	N	to	Fast	Dense	Rounded	to full sun	Moderate	flowers May-June.
Sweet Mockorange		12'						
Prunus x cistena		10'						Susceptible to Japanese
Purpleleaf Sand	N	to	Moderate	Dense	Rounded	Full sun	Moderate	beetles.
Cherry		15'						
Spirea prunifolia		6' to		Moderate	Upright to		Moderate	White flowers in early
Bridalwreath Spirea	N	8'	Fast		Spreading	Full sun		summer.
Syringa vulgaris		10' to	Moderate	Moderate	Upright to		Moderate	Susceptible to borers and
Common Lilac	N	20'			Spreading	Full sun		mildew.

Medium Shrubs (6½ to 12 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Viburnum x		5'						Susceptible to Japanese
burkwoodii	N	to	Slow to	Dense	Rounded	Full shade to	Moderate	beetles.
Burkwood		7'	Moderate			full sun		White, fragrant flowers in
Viburnum								spring. Red fruit.
Viburnum dentatum		8'			Rounded			White flowers May-June.
Arrowwood	N	to	Slow to	Dense	to	Full shade to	Moderate	Blue-black berries. Purple fall
		10'	Moderate		Spreading	full sun		foliage.
Viburnum dilatatum		6'				Partial shade		White flowers May. Red fruit.
Linden Viburnum	N	to	Slow to	Dense	Upright to	to full sun	Moderate	Yellow, orange, red fall
		10'	Moderate		Rounded			foliage.
Viburnum farreri		8'						White, fragrant flowers April.
Fragrant Viburnum	N	to	Moderate	Dense	Upright to	Full sun	Moderate	Yellow fruit.
		12'			Irregular			
Viburnum x juddii		6'				Partial shade		White flowers. Red fruit.
Judd Viburnum	N	to	Slow to	Dense	Rounded	to full sun	Moderate	
		8'	Moderate					
Viburnum opulus		10'				Partial shade		White flowers. Red fruit.
European Cranberry	N	to	Moderate	Dense	Upright to	to full sun	Moderate	
Bush		15'			Rounded			
Viburnum plicatum		9'				Partial shade		White flowers in spring. Red to
Doublefile	N	to	Moderate	Dense	Upright to	to full sun	Moderate	black fruit. Purple red fall
Viburnum		12'			Rounded			foliage.
Viburnum x		8'		Moderate			Moderate	"Willowwood"
rhtidophylloides	N	to	Moderate		Upright to	Partial shade		White flowers May. Red to
Lantanaphyllum		10'			Rounded			black fruit. Purple fall foliage.
Viburnum								

Small Shrubs (3 to 6 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Abelia x		3'						"Sherwood" is a serviceable
grandflorai	N	to	Moderate	Moderate	Rounded	Partial shade	Moderate	dwarf cultivar. White flowers
Glossy Abelia		4'				to full sun		July-October.
Abeliophyllum		3'			Rounded			White flowers March-April.
distichum	N	to	Moderate	Moderate	to	Partial shade	Moderate	
White Forsythia		4'			Irregular	to full sun		
Berberis thunbegii		4'			Rounded	Full sun		Good barrier plant; however,
Japanese Barberry	N	to	Moderate	Moderate	to		Moderate	thorniness makes clean up
		7'			Spreading			difficult. Traps leaves and
								litter.
Buddleia davidii		5'						May be killed to the ground
Orange-eye	N	to	Fast	Moderate	Upright to	Partial shade	Moderate	during very cold winters. It
Butterfly Bush		10'			Spreading	to full sun		will, however, return in the
								spring.
Callicarpa japonica		4'			Rounded	Partial shade		Pink-white flowers July. Violet
Japanese	N	to	Fast	Moderate	to	to full sun	Moderate	fruit. <i>C. americana</i> is native
Beautyberry		6'			Spreading			species.
Caryopteris x		3'					Moderate to	May be susceptible to winter
clandonesis	N	to	Fast	Moderate	Rounded	Full sun	Dry	dieback in severe winters. Blue
Bluebeard		5'						flowers late summer.
Chaenomeles		3'			Rounded			White, pink, or scarlet flowers
speciosa	N	to	Fast	Moderate	to	Full sun	Moderate	early spring. Large yellow-
Flowering Quince		5'			Spreading			green fruit.
Daphne x		2'				Partial shade	Moderate to	"Carol Mackie" is variegated
burkwoodii	Y	to	Slow	Dense	Rounded	to full sun	Dry	with pink flowers in May.
Burkwood Daphne		4'						

Small Shrubs (3 to 6 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Deutzia Gracilis		5'		-		_	_	Pure white flowers May-June.
Slender deutzia	N	to 7'	Slow to Medium	Dense	Rounded	Partial shade to full sun	Moderate	Burgundy fall foliage.
Ilex x meserveae		5'			Rounded			Bluish green foliage. Red fruits
Meserveae Holly	Y	to 15'	Moderate	Dense	to Upright	Partial shade to full sun	Moderate	on female plants.
Kerria japonica		6'			Rounded			Yellow flowers May. Yellow-
Japanese Kerria	N	to	Moderate	Dense	to	Partial shade	Moderate	green stems.
		9'			Spreading	to full sun		
Ligustrum		5'				Partial shade		White flowers April. Small
obtusifolium	N	to	Fast	Dense	Spreading	to full sun	Moderate	blue-black fruit. Purplish fall
Border Privet		8'						foliage.
Ligustrum x vicaryi		5'				Partial shade		White flowers April. Small
Golden Privet	N	to 8'	Fast	Dense	Spreading	to full sun	Moderate	blue-black fruit. Purplish fall foliage.
Myrica		5'			Upright to	Partial shade	Moderate to	Tolerates road salt.
pensylvanica	N	to	Moderate	Dense	Rounded	to Full Sun	Dry	
Bayberry		12'						
Picea glauca		3'						
'conica'	Y	to	Slow	Very	Pyramidal	Full sun	Moderate	
Dwarf Alberta		5'		Dense				
Spruce								
Pinus mugo		4'			Rounded			Susceptible to mites and scale.
Mugho Pine	Y	to	Slow	Very	to	Full sun	Moderate to	
		6'		Dense	Spreading		Dry	
Prunus glandulosa		2'		Open to	Rounded			Pink flowers early spring.
Dwarf Flowering	N	to	Moderate	Dense		Full sun	Moderate to	
Almond		5'					Dry	

Small Shrubs (3 to 6 Feet Tall)

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Scientific Name	,	Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Rhododendron PJM		3'				Partial shade		Scarlet-purple flowers in April.
hybrids	Y	to	Moderate	Moderate	Rounded		Moderate	
PJM		5'						
Rhododendrons								
Rhodotypos		4'			Rounded	Partial shade		White flowers in spring. Black
scandens	N	to	Moderate	Dense	to	to full sun	Moderate	fruit.
Jetbead		9'	to Fast		Spreading			
Rhus aromatica		6'			Spreading	Full sun		Reliably low growing and
'Gro Lo'	N	to	Slow to	Dense	to		Moderate	maintenance free. Bronze-
Gro Lo Fragrant		10'	Moderate		Irregular			orange purple fall foliage.
Sumac								
Syringa patula		8'			Rounded	Full sun		Fragrant lilac flowers May-
Miss Kim Lilac	N	to	Moderate	Dense	to Upright		Moderate	June. Mauve-purple fall
		12'						foliage.
Taxus canadensis		3'			Rounded	Partial shade		
Canada Yews	Y	to	Slow	Dense	to	to Full Sun	Moderate	
		5'			Spreading			
Thuja occidentalis		3'						
"Woodwardi"	Y	to	Slow	Dense	Rounded	Full sun to	Moderate	
Globe Arborvitae		5'				Partial Shade		
Viburnum opulus		3'						White flowers May. Red fruit.
"Nanum"	N	to	Moderate	Dense	Rounded	Partial shade	Moderate	_
Dwarf		5'				to full sun		
Cranberrybush								

Small Shrubs (3 to 6 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Vitex agnus-castus		3'						Grows tree-sized in the south.
Chaste Tree	N	to	Fast	Moderate	Upright	Partial shade	Moderate	Our winter, however, keeps the
		5'				to full sun		plant shrub-sized. Large,
								fragrant, lilac flowers in
								summer.
Weigela florida		9'	Slow to		Rounded			Deep rose pink flowers May-
Old-Fashioned	N	to	Moderate	Dense	to	Partial shade	Moderate	June. Needs pruning to remain
Weigela		12'			Spreading	to full sun		attractive.

Dwarf Shrubs (Under 3 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Buxus microphylla		3' to		Very		Partial shade		
Littleleaf Boxwood	Y	4'	Slow	Dense	Rounded	to full sun	Moderate	
Chamaecyparis		3'						Protect from the wind.
obtusa "Nana"	Y	to	Slow	Very	Rounded	Partial shade	Moderate	
Hinoki False		4'		Dense		to full sun		
Cypress								
Cotoneaster		3'	Slow to			Full sun		Light pink flowers in spring.
apiculatus	N	to	Moderate		Spreading		Moderate	Large red berries. Orange to
Cranberry		6'		Moderate				scarlet fall foliage.
Cotoneaster								
Cotoneaster		5'	Slow to			Full sun		Light pink flowers in spring.
horizontalis	N	to	Moderate	Moderate	Spreading		Moderate	Large red berries. Orange to
Rockspray		8'						scarlet fall foliage.
Cotoneaster								
Fothergilla		3'			Rounded	Partial shade		Cream colored flowers in
gardenii	N	to	Slow	Moderate		to full sun	Moderate	April. Yellow, orange, and
Dwarf Fothergilla		4'						crimson fall foliage.
Ilex glabra		4'						
"Compacta"	Y	to	Slow	Very	Spreading	Partial shade	Moderate	
Compact Inkberry		6'		Dense		to full sun		
Holly								
Juniperus chinensis		6'	Slow to					
"Pfitzerana	Y	to	Moderate	Very	Spreading	Full sun	Moderate to	
Compacta" Nick's		10'		Dense			dry	
Compact Juniper							_	

Dwarf Shrubs (Under 3 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Juniperus chinensis		6'	Slow to			Full sun	-	
"San Jose"	Y	to	Moderate	Very	Spreading		Moderate to	
San Jose Juniper		8'		Dense			dry	
Juniperus		4'				Full sun		
communis	Y	to	Slow	Very	Spreading		Moderate to	
Common Juniper		6'		Dense			dry	
Juniperus conferta		5'				Full sun	-	Salt tolerant
Shore Juniper	Y	to	Slow	Very	Spreading		Moderate to	
_		9'		Dense			dry	
Juniperus		10'				Full sun	-	Cultivars:
procumbens	Y	to	Slow	Very	Spreading		Moderate to	"Greenmound"
Japanese Garden		15'		Dense			dry	"Nana"
Juniper								"Variegata"
Juniperus sabina		5'				Full sun		Cultivars:
Savin Juniper	Y	to	Slow	Very	Spreading		Moderate to	"Arcadia"
		9'		Dense			dry	"Broadmoor"
								"Skandia"
								"Tamariscifolia"
Potentilla fruticosa		2'			Upright to	Full sun	Moderate	Cultivars:
Bush Cinquefoil	N	to	Slow	Moderate	Rounded			"Abbotswood"
		5'						"Goldfinger"
								"Moonlight"
								"Primrose Beauty"
								"Red Ace"
								"Tangerine"
Spirea x bumalda		4'				Full sun	Moderate	Pink flowers June-August.
"Anthony Waterer"	N	to	Fast	Moderate	Rounded			Yellowish fall foliage.
Anthony Waterer		5'						
Spirea								

Dwarf Shrubs (Under 3 Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Symphoricarpos x		3'			Rounded	Partial shade	Moderate	Pinkish-white flowers June-
chenaultii	N	to	Fast	Moderate	to	to full sun		July. Pink fruit.
Chenault		6'			Spreading			
Coralberry								
Taxus baccata		10'					Moderate	
"Repandens"	Y	to	Slow	Very	Spreading	Partial shade		
Dwarf English Yew		12'		Dense				
Tsuga canadensis		5'					Moderate	Cultivars:
dwarf cultivars	Y	to	Slow	Dense	Spreading	Partial shade		"Nana"
Dwarf Canada		8'						"Brandley"
Hemlock								
Yucca filamentosa		2'				Full sun		6' high white flower stalks in
Yucca or Adam's	Y	to	Moderate	Open	Upright		Moderate to	summer. Foliage resembles
Needle		5'					dry	that of Iris.

Ground Covers (Less Than 1½ Feet Tall)

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Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Aegopdium		2'						Invasive, use on difficult sites
podagraria	N	to	Fast	Dense	Spreading	Full sun to	Moderate to	where nothing else will grow.
Bishop's Weed or		4'				full shade	dry	
Gout Weed								
Ajuga		6'+	Moderate			Full to partial	Moderate	Invasive
Bugleweed	Y		to Fast	Dense	Spreading	shade		
Arundinaria		3'					Moderate	
variegata	N	to	Fast	Dense	Upright	Full sun to		
Dwarf Whitestripe		6'			to	full shade		
Bamboo or					Spreading			
Gardener's Garters								
Comptonia		4'				Partial shade	Moderate	Prefers slightly acid soils.
peregrina	N	to	Slow to	Moderate	Spreading	to full sun		Small shrub to 3' tall.
Sweet Fern		8'	Moderate					
Convallaria majalis		2' to				Full to partial	Wet to	All parts of this plant are
Lily of the Valley	N	4'	Moderate	Moderate	Spreading	shade	Moderate	poisonous.
Cotoneaster		4'						Small, pinkish white flowers.
dammeri	N	to	Fast	Moderate	Spreading	Full sun	Moderate	Red fruit.
Bearberry		6'						
Cotoneaster								
Epimedium hybrids,		2'				Full to partial		
cultivars and	N	to	Fast	Dense	Spreading	shade	Moderate	
species		5'						
Barrenwort								
Galium odoratum		3' to				Full shade		
Sweet Woodruff	N	5'	Fast	Dense	Spreading		Moderate	

Ground Covers (Less Than 1½ Feet Tall)

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Hedera helix		3'						
"Thorndale"	Y	to	Fast	Dense	Spreading	Partial shade	Moderate	
Baltic or Thorndale		7'				to full shade		
English Ivy								
Hosta spp and		1'				Partial Shade	Moderate	
cultivars	N	to	Fast	Moderate	Spreading			
Plantain Lily		5'						
Hypericum		1'				Partial shade	Moderate	Tolerates dry soils. Bright
calycinum	N	to	Slow to	Dense	Spreading	to full sun		yellow flowers in summer.
Aaronsbeard St.		4'	Moderate					
John's Wort								
Juniperus		4'					Moderate to	Cultivars:
horizontalis	Y	to	Slow to	Very	Spreading	Full sun	Dry	"Bar Harbor"
Creeping Juniper		8'	Moderate	Dense				"Douglasii"
								"Emerald Spreader"
								"Hughes"
								"Prince of Wales"
Liriope spicata		1'				Full shade to	Moderate	Purplish-white flowers.
Creeping Lilyturf of	Y	to	Fast	Dense	Spreading	full sun		
Liriope		3'						
Pachysandra		1'						White flowers in spring.
terminalis	Y	to	Slow	Dense	Spreading	Full to partial	Moderate	
Japanese Spurge		3'				shade		
Rosa Wichuraiana		3'						
Memorial Rose	N	to	Fast	Dense	Spreading	Full sun	Moderate	
		7'						
Vinca minor		1'				Full to partial		Subject to fungal diseases if air
Common	Y	to	Moderate	Dense	Spreading	shade	Moderate	circulation is poor.
Periwinkle		3'	to Fast					

Vines and Climbers

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Actinidia arguta					Climbing	Partial shade		
Bower Actinidia	N		Fast	Moderate	Vine	to full sun	Moderate	
Akebia quintata					Climbing	Partial shade	Moderate	
Fiveleaf Akebia	N		Fast	Dense	Vine	to full sun		
Campsis radicans					Climbing		Moderate	Best for large scale situations
Trumpet Creeper or	N		Fast	Dense	Vine	Full sun		where there is plenty of room
Trumpetvine								for this plant to grow.
Celastrus scandens					Climbing		Moderate	Best for large scale situations
American	N		Fast	Dense	Vine	Full shade to		where there is plenty of room
Bittersweet						full sun		for this plant to grow.
Clematis					Climbing	Partial shade	Moderate	Scores of cultivars. Select
Clematis	N		Fast	Moderate	Vine	to full sun		only those that will survive in
								hardiness zone 5a.
Hedera helix					Climbing	Full shade to		
English Ivy	Y		Fast	Dense	Vine	full sun	Moderate	
Hydrangea			Slow to		Climbing	Full shade to		White flowers in summer.
anomala	N		Moderate	Moderate	Vine	full sun	Moderate	
Climbing								
Hydrangea								
Lonicera					Climbing	Partial shade		All loniceras are very invasive.
Spp., hybrids and	N		Fast	Dense	Vine	to full sun	Moderate	
cultivars								
Vine Honeysuckle								
Parthenocissus					Climbing	Full shade to		Best for large scale situations
quinquefolia	N		Fast	Moderate	Vine	full sun	Moderate	where there is plenty of room
Virginia Creeper								for this plant to grow.
Parthenocissus					Climbing	Full shade to		Best for large scale situations
tricuspidata	N		Fast	Moderate	Vine	full sun	Moderate	where there is plenty of room
Boston Ivy								for this plant to grow.

Vines and Climbers

Scientific Name		Average	Growth			Sunlight	Soil Moisture	
Common Name	Evergreen?	Spread	Rate	Density	Form	Requirement	Requirement	Comments
Polygonum aubertii					Climbing			
China or silver	N		Fast	Dense	Vine	Full sun	Moderate to	
Fleecevine							dry	
Wisteria					Climbing		Moderate	Best for large-scale situations
Japanese or Chinese	N		Fast	Dense	Vine	Full sun		where there is plenty of room
Wisteria								for this plant to grow. Large
								clusters of lilac flowers.

16.06.080 - 02 Plant Use Tables

The tables are arranged by plant size, (largest to smallest), and they indicate recommendations for the following uses:

- <u>Screen</u> includes categories for screening plants up to 6' in height and over 6' in height.
- Parking Area includes plant recommendations for both perimeter and interior parking area landscaping.
- <u>Intersections</u> useful for choosing plants that will not interfere with traffic visibility at intersections.
- <u>Under Utility Lines</u> denotes which plants are most appropriate for planting near overhead utility lines. Generally less than 25' tall.
- <u>Street Tree</u> denotes which trees are most appropriate for planting along street frontages.
- <u>Shade Tree</u> includes those trees which will produce the most shade.
- Specimen Tree Tree species with unique qualities that make them suitable for individual viewing.

Plant Uses in the Landscape

Scientific Name Common Name	Screen (3' to 6'	Screen	Parking Area	Parking Area	Under Utility	Street Tree	Shade Tree	Specimen
Common Name	high)	(>6' high)	(perimeter)	(interior)	Lines	Tree	Tree	
Acer platanoides			_	,		,		
Norway Maple			4	4		4	4	4
Acer rubrum								
Red or Swamp Maple			4	4		4	4	4
Acer saccharum								
Sugar Maple			4			4	4	4
Catalpa speciosa								
Northern Catalpa							4	4
Celtis occidentalis								
Common Hackberry			4	4			4	4
Celtis laevigata								
Sugar Hackberry			4	4			4	4
Cercidiphyllum								
japonicum			4	4			4	4
Katsura Tree								
Chamaecyparis pisifera								
Sawara False Cypress		4						4
Fagus spp.								
Beech							4	4
Fraxnus spp.								
Ash			4	4		4	4	4
Ginkgo biloba								
Ginkgo or Maidenhair			4	4		4	4	4
Tree								
Gleditsia triacanthos								
Honeylocust			4	4		4	4	4

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Gymnocladus dioicus								
Kentucky Coffeetree			4	4			4	4
Larix spp.								
Larch			4	4			4	4
Liquidambar styraciflua								
Sweet Gum							4	4
Nyssa sylvatica								
Sour Gum or Black Gum			4	4			4	4
Picea abies								
Norway Spruce		4						4
Plantanus occidentalis								
Planetree or Sycamore							4	4
Pseudotsuga mensiezii								
Douglas Fir		4						4
Quercus spp.								
Oak						4	4	4
Taxodium distichum								
Bald Cypress		4				4		4
Tilia spp.								
Linden			4	4		4	4	4
Zelkova serrata								
Japanese Zelkova			4	4		4	4	4

Medium Trees (26 to 40 Feet Tall)

Scientific Name Common Name	Screen (3' to 6'	Screen (>6' high)	Parking Area	Parking Area	Under Utility	Street Tree	Shade Tree	Specimen
	high)		(perimeter)	(interior)	Lines			
Abies concolor White Fir		4						4
Acer campestre Hedge Maple		4	4		4	4	4	4
Aesculus x carnea Red Horse Chestnut			4	4		4	4	4
Aesculus glabra Ohio Buckeye					4		4	4
Aesculus hippocastanum Common Horse chestnut			4	4		4	4	4
Betula Birch			4					4
Carpinum betulus European Hornbeam			4	4		4	4	4
Carpinus caroliniana American Hornbeam or Ironwood			4		4		4	4
Chamaecyparis lawsoniana Lawson False Cypress		4				4		4
Chamaecyparis obtusa Hinoko False Cypress		4						4
Chionanthus virginicus Fringetree			4		4		4	4
Cladrastis lutea Yellowwood			4				4	4

Medium Trees (26 to 40 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area (perimeter)	Area (interior)	Utility Lines	Tree	Tree	
Diospyros virginiana	high)		(perimeter)	(Interior)	Lines			
Common Persimmon							4	4
Koelreuteria paniculata								
Golden Rain Tree			4		4		4	4
Maackia amurensis								
Amur Maackia			4			4	4	4
Ostrya virginiana								
Hop Hornbeam or			4	4			4	4
Ironwood								
Phellodendron amurense								
Amur Corktree			4		4		4	4
Picea ormorika								
Serbian Spruce		4						4
Picea Pungens								
Colorado Spruce		4						4
Pinus sylvestris								
Scotch Pine		4						4
Pyrus calleryana								
Callery Pear			4	4		4	4	4
Sophora japonica								
Japanese Pagoda or			4	4			4	4
Chinese Scholar Tree								
Tsuga canadensis								
Canada Hemlock		4						4
Ulmus parvifolia								
Chinese Elm			4	4		4	4	4

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Acer ginnala								
Amur Maple			4	4	4			4
Acer palmatum								
Japanese Maple								4
Acer tataricum								
Tatarian Maple			4	4	4	4		4
Alnus glutinosa								
European or Black Alder			4	4			4	4
Amenlanchier								
Serviceberry, Juneberry			4					4
or Shadblow								
Cercis canadensis								
Eastern Redbud					4			4
Cornus florida								
Flowering Dogwood					4			4
Cotinus coggygria								
Smoke Tree					4			4
Crataegus crus-galli								
Cockspur Hawthorn		4			4			4
Crataegus phaenopyrum								
Washington Hawthorn			4		4			4
Crataegus viridis								
Green Hawthorn			4	4	4			4

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Magnolia X loebneri								
Lebner Magnolia								4
Magnolia X soulangiana								
Saucer Magnolia					4			4
Magnolia stellata								
Star Magnolia					4			4
Malus cultivars								
Crabapple					4			4
Malus sargentii								
Sargent Crabapple					4			4
Prunus x blireiana								
Purple-leaved Plum		4	4		4			
Prunus serrulata								
Japanese Flowering			4		4			4
Cherry								
Syringa reticulata								
Japanese Tree Lilac			4	4	4	4		4

Large Shrubs (Over 13 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Hamamelis								
Witchhazel		4	4		4			4
Juniperus scopulorum								
Rocky Mountain Juniper		4	4		4			
Juniperus communis								
Common Juniper		4	4	4	4			
Lindera benzoin								
Spicebush		4	4		4			
Taxus cuspidata								
Japanese Yew		4	4	4				
Taxus x media								
Anglo-Japanese Yew		4	4	4				
Thuja occidentalis								
American or Eastern		4	4					
Arborvitae, White Cedar								
Viburnum lantana								
Wayfaring Tree		4	4		4	4		
Viburnum prunifolium								
Black Haw		4	4		4	4		
Viburnum sieboldii								
Siebold Viburnum		4	4		4			

Medium Shrubs (6 ½ to 12 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Acanthopanax								
siebolianus		4	4	4	4			
Fiveleaf Aralia								
Calycanthus floridus								
Carolina allspice		4	4		4			4
Cornus alba								
Tatarian Dogwood		4	4		4			
Cornus mas								
Cornelian Cherry		4	4		4			4
Cornus sericea								
Red Osier Dogwood	4		4		4			
Elaegnus umbellata								
Autumn Olive		4	4		4			
Forsythia x intermedia								
Border Forsythia	4		4		4			4
Hamamelis vernalis								
Vernal Witchhazel		4	4		4			4
Hibiscus syriacus								
Rose-of-Sharon		4	4		4			
Hydrangea quercifolia								
Oak Leaf Hydrangea	4		4		4			4
Ilex verticillata								
Winterberry		4	4	4	4			
Kolkwitzia amabilis								
Beautybush		4	4		4			4
Philadelphus								
Mockorange		4	4		4			4
Prunus x cistena								
Purpleleaf Sand Cherry		4	4	4	4			

Medium Shrubs (6 ½ to 12 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Spirea prunifolia Bridalwreath Spirea	4		4		4			4
Syringa Lilac		4	4		4			4
Virburnum x burkwoodii Burkwood Viburnum	4		4	4	4			4
Viburnum dentatum Arrowwood	4		4	4	4			
Viburnum dilatatum Linden Viburnum	4		4	4	4			
Viburnum opulus European Cranberrybush		4	4		4			
Viburnum plicatum Doublefile Viburnum		4	4		4			4
Viburnum x rhytidophylloides		4	4		4			
Lantanaphyllum Viburnum								
Abelia x grandiflora Glossy Abelia	4		4	4	4			4
Prunus x cistena Purpleleaf Sand Cherry			4		4			

Small Shrubs (3 to 6 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Berberis thunbergii			_					
Japanese Barberry	4		4	4	4			
Buddleia davidii								
Orange-Eye Butterfly	4				4			4
Bush								
Chaenomeles speciosa								
Flowering Quince	4		4	4	4			
Deutzia gracilis								
Slender Deutzia	4		4	4	4			4
Euonymus alata								
compactus	4		4	4	4			
Dwarf Burning Bush								
Ilex x meserveae								
Meserveae Holly	4		4	4	4			4
Kerria japonica								
Japanese Kerria	4		4	4	4			
Ligustrum obtusifolium								
Border privet	4		4	4	4			
Ligustrum x vicaryi								
Golden Privet	4		4		4			

Small Shrubs (3 to 6 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Myrica pensylvanica								
Bayberry	4		4	4	4			
Picea glauca "conica"								
Dwarf Alberta Spruce					4			4
Pinus mugos								
Mugho Pine	4		4	4	4			
Prunus glandulosa								
Dwarf Flowering					4			
Almond								
Rhododendron PJM								
hybrids			4		4			4
PJM Rhododendrons								
Rhus aromatica Gro-Lo								
Gro-Lo Fragrant Sumac	4		4		4			
Syringa patula								
Miss Kim Lilac	4		4		4			
Taxus								
Yews	4	4	4	4	4			
Thuja occidentalis								
"Woodwardi"	4		4		4			
Globe Arborvitae								
Viburnum opulus								
"Nanum"	4		4	4	4			
Dwarf Cranberrybush								
Vites agnus-castus								
Chaste Tree			4		4			4

Dwarf Shrubs (1½ to 3 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Buxus microphylla								
Littleleaf Boxwood	4		4	4	4			
Chamaecyparis obtusa								
Dwarf Cultivars	4		4	4	4			4
Chamaecyparis pisifera								
Dwarf cultivars	4		4	4	4			4
Cotoneaster apiculatus								
Cranberry Cotoneaster			4	4	4			
Cotoneaster horizontalis								
Rockspray Cotoneaster			4	4	4			
Deutzia gracilis								
Slender Deutzia	4		4	4	4			
Fothergilla gardenii								
Dwarf Fothergilla			4	4	4			4
Hemerocallis cultivars								
Daylily			4	4	4			
Ilex glabra "compacta"								
Compact Inkberry	4		4	4	4			
Juniperus chinensis								
Nick's Compact Juniper	4		4	4	4			
Juniperus chinensis "San								
Jose"			4	4	4			
San Jose Juniper								

Dwarf Shrubs (1½ to 3 Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6' high)	(>6' high)	Area (perimeter)	Area (interior)	Utility Lines	Tree	Tree	
Juniperus communis			4	4	4			
Common Juniper			4	4	4			
Juniperus conferta								
Shore Juniper			4	4	4			
Juniperus procumbens				_				
Japanese Garden Juniper			4	4	4			
Juniperus sabina								
"Broadmoor"	4		4	4	4			
Savin Juniper								
Polygonum cuspidatum								
Low Japanese Fleece					4			
Flower								
Potentilla fruticosa								
Bush Cinquefoil	4		4	4	4			
Rosa-floribundai								
Floribunda Roses			4	4	4			
Spirea x bumalda								
"Anthony Waterer"			4	4	4			
Anthony Waterer Spirea								
Symphoricarpos x								
chenaultii	4		4	4	4			
Chenault Coralberry								
Taxus baccata								
Dwarf English Yew	4		4	4	4			4
Tsuga canadensis								
Dwarf Canada Hemlock	4		4	4	4			4
Yucca filamentosa								
Yucca or Adam's Needle			4	4	4			

Ground Covers (Less than 1½ Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
Aegopodium podagraria	high)		(perimeter)	(interior)	Lines			
Bishops weed or Gout			4	4	4			
weed				•				
Ajuga								
Carpet Bugle/Bugleweed			4	4	4			
Arundinaria variegata								
Dwarf Whitestripe			4		4			
Bamboo								
Comptonia peregrina								
Sweet Fern			4		4			
Convallaria majalis								
Lily of the Valley			4		4			
Cotoneaster dammeri			_		_			
Bearberry cotoneaster			4	4	4			
Epimedium\					_			
Barrenwort			4		4			
Galium odoratum								
Sweet Woodruff			4		4			
Hedera helix			4	4	_			
"Thorndale"			4	4	4			
Baltic or Thorndale								
English Ivy								
Hostas			4		4			
Plantain Lily			4		4			
Hypericum calycinum			4	4	4			
Aaronsbeard St. John's			4	'1	4			
Wort								

Ground Covers (Less than 1½ Feet Tall)

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6' high)	(>6' high)	Area (perimeter)	Area (interior)	Utility Lines	Tree	Tree	
Juniperus horizontals	mgn)		(permieter)	(IIIterior)	Lines			
Blue Rug Juniper			4	4	4			
Liriope spicata								
Creeping Lilyturf or			4	4	4			
Liriope								
Pachysandra terminalis								
Japanese Spurge			4		4			
Rosa Wichuraiana								
Memorial Rose			4	4	4			
Vinca minor								
Common Periwinkle			4		4			

Vines and Climbers

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Actinidia arguta								
Bower Actinidia		4						
Akebia quintata								
Fiveleaf Akebia		4						
Campsis radicans								
Trumpet Creeper or		4						
Trumpetvine								
Celastrus scandens								
American Bittersweet		4						
Clematis								
Clematis		4						
Hedera helix								
English Ivy		4						
Hydrangea anomala								
Climbing Hydrangea		4						
Lonicera								
Vine Honeysuckle		4						
Parthenocissus								
quinquefolia		4						
Virginia Creeper								
Parthenocissus								
tricuspidata		4						
Boston Ivy								

Vines and Climbers

Scientific Name	Screen	Screen	Parking	Parking	Under	Street	Shade	Specimen
Common Name	(3' to 6'	(>6' high)	Area	Area	Utility	Tree	Tree	
	high)		(perimeter)	(interior)	Lines			
Polygonum aubertii								
China or Silver		4						
Fleecevine								
Rosa wichuraiana								
Memorial Rose		4						
Wisteria								
Japanese or Chinese		4						
Wisteria								